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(FILE 'HOME' ENTERED AT 15:19:22 ON 12 APR 2006)

EIC 1700 Search

FILE 'HCAPLUS' ENTERED AT 15:19:46 ON 12 APR 2006

L1 852 SEA ABB=ON PLU=ON YONEYAMA, H?/AU
L2 2171 SEA ABB=ON PLU=ON SEKI, M?/AU
L3 2734 SEA ABB=ON PLU=ON IWASAKI, M?/AU
L4 309 SEA ABB=ON PLU=ON NUKADA, K?/AU
L5 96 SEA ABB=ON PLU=ON OKUDA, D?/AU
L6 983 SEA ABB=ON PLU=ON HIROSE, H?/AU
L7 2296 SEA ABB=ON PLU=ON OZAKI, T?/AU
L8 1101 SEA ABB=ON PLU=ON MORIYAMA, H?/AU
L9 6529 SEA ABB=ON PLU=ON ISHII, T?/AU
L10 135 SEA ABB=ON PLU=ON AGATA, T?/AU
L11 376 SEA ABB=ON PLU=ON MASHIMO, K?/AU
L12 22369 SEA ABB=ON PLU=ON SATO, K?/AU
L13 1 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12
L14 75525 SEA ABB=ON PLU=ON ELECTROLUMIN? OR ELS OR EL OR OLED#
L15 6 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR
PHOTO (A) CURRENT?) (2A) WAVEFORM?

Me

FILE 'REGISTRY' ENTERED AT 15:28:28 ON 12 APR 2006

L16 12 SEA ABB=ON PLU=ON (206868-25-9/BI OR 252920-12-0/BI OR
26009-24-5/BI OR 303114-50-3/BI OR 473799-92-7/BI OR
605664-87-7/BI OR 70351-86-9/BI OR 714966-19-5/BI OR
827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR
827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 15:28:38 ON 12 APR 2006

L17 6 SEA ABB=ON PLU=ON L15 AND L16
L18 5 SEA ABB=ON PLU=ON L17 NOT L13
L19 52506 SEA ABB=ON PLU=ON ELECTRON? (2A) TRANSPORT?
L20 8499 SEA ABB=ON PLU=ON HOLE? (2A) TRANSPORT?
L21 20739 SEA ABB=ON PLU=ON CHARGE? (2A) TRANSPORT?
L22 2 SEA ABB=ON PLU=ON L18 AND (L19 OR L20 OR L21)
L23 1268 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR
PHOTO (2A) CURRENT?)
L24 17 SEA ABB=ON PLU=ON L23 AND L14
SEL RN

FILE 'REGISTRY' ENTERED AT 15:35:31 ON 12 APR 2006

L25 43 SEA ABB=ON PLU=ON (2085-33-8/BI OR 50926-11-9/BI OR
123847-85-8/BI OR 7440-21-3/BI OR 126213-51-2/BI OR
50851-57-5/BI OR 58328-31-7/BI OR 65181-78-4/BI OR
7429-90-5/BI OR 7439-95-4/BI OR 123864-00-6/BI OR
124729-98-2/BI OR 125297-45-2/BI OR 1333-74-0/BI OR
138184-36-8/BI OR 146162-54-1/BI OR 147-14-8/BI OR
182069-71-2/BI OR 184104-78-7/BI OR 189196-94-9/BI OR
189196-95-0/BI OR 250164-11-5/BI OR 252920-12-0/BI OR
25617-97-4/BI OR 376367-93-0/BI OR 473799-92-7/BI OR
492436-15-4/BI OR 517-51-1/BI OR 538366-53-9/BI OR
58473-78-2/BI OR 605664-87-7/BI OR 677017-06-0/BI OR
714966-19-5/BI OR 7440-22-4/BI OR 7440-52-0/BI OR
76185-65-4/BI OR 7782-49-2/BI OR 7789-24-4/BI OR
827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR
827311-09-1/BI OR 94928-86-6/BI).

FILE 'HCAPLUS' ENTERED AT 15:36:38 ON 12 APR 2006

L26 17 SEA ABB=ON PLU=ON L25 AND L24
L27 16 SEA ABB=ON PLU=ON L26 NOT L17
L28 8 SEA ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURRENT? OR
PHOTO (2A) CURRENT) (S) WAVEFORM
L29 8 SEA ABB=ON PLU=ON L18 OR L22 OR L28
SEL RN

FILE 'REGISTRY' ENTERED AT 15:50:03 ON 12 APR 2006

L30 13 SEA ABB=ON PLU=ON (206868-25-9/BI OR 252920-12-0/BI OR
26009-24-5/BI OR 26201-32-1/BI OR 303114-50-3/BI OR
473799-92-7/BI OR 605664-87-7/BI OR 70351-86-9/BI OR
714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR
827311-07-9/BI OR 827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 15:50:27 ON 12 APR 2006

L31 7 SEA ABB=ON PLU=ON L29 AND L30
L32 7 SEA ABB=ON PLU=ON L18 OR L22 OR L31
L33 6 SEA ABB=ON PLU=ON L32 NOT L13
L34 17 SEA ABB=ON PLU=ON L26 NOT L33
L35 12 SEA ABB=ON PLU=ON L34 AND (L19 OR L20 OR L21)
L36 2 SEA ABB=ON PLU=ON L33 AND (L19 OR L20 OR L21)
L37 6 SEA ABB=ON PLU=ON L33 OR L36
L38 17 SEA ABB=ON PLU=ON L34 OR L35

FILE 'WPIX' ENTERED AT 15:56:20 ON 12 APR 2006

L39 1 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12
L40 1 SEA ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURRENT? OR
PHOTO (2A) CURRENT) (S) WAVEFORM
L41 7 SEA ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCURRENT? OR
PHOTO (2A) CURRENT?)
L42 3 SEA ABB=ON PLU=ON (L40 OR L41) AND (L19 OR L20 OR L21)
L43 6 SEA ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT)
(3A) WAVEFORM
L44 1 SEA ABB=ON PLU=ON L43 AND (L19 OR L20 OR L21)
L45 11 SEA ABB=ON PLU=ON (L40 OR L41 OR L42 OR L43 OR L44)
NOT L39

FILE 'HCAPLUS' ENTERED AT 16:04:26 ON 12 APR 2006

L46 15 SEA ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT)
(3A) WAVEFORM
L47 4 SEA ABB=ON PLU=ON L46 AND (L19 OR L20 OR L21)
SEL RN

FILE 'REGISTRY' ENTERED AT 16:05:48 ON 12 APR 2006

L48 11 SEA ABB=ON PLU=ON (206868-25-9/BI OR 206868-27-1/BI OR
252920-12-0/BI OR 28883-63-8/BI OR 473799-92-7/BI OR
605664-87-7/BI OR 714966-19-5/BI OR 827311-04-6/BI OR
827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)

FILE 'HCAPLUS' ENTERED AT 16:06:17 ON 12 APR 2006

L49 4 SEA ABB=ON PLU=ON L48 AND L47
L50 24 SEA ABB=ON PLU=ON L37 OR L38 OR L49

FILE 'JAPIO' ENTERED AT 16:08:16 ON 12 APR 2006

L51 0 SEA ABB=ON PLU=ON L1 AND L2 AND L3 AND L4 AND L5 AND
L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND L12
L52 58601 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR
L7 OR L8 OR L9 OR L1 OR L12)
L53 19 SEA ABB=ON PLU=ON L52 AND (PHOTOCURRENT OR PHOTO (2A)
CURRENT (3A) WAVEFORM)
L54 1 SEA ABB=ON PLU=ON L53 AND L14
L55 11 SEA ABB=ON PLU=ON (L40 OR L41 OR L42 OR L43 OR L44)
NOT L39

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FILE 'REGISTRY' ENTERED AT 16:56:41 ON 12 APR 2006

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L1 852 SEA FILE=HCAPLUS ABB=ON PLU=ON YONEYAMA, H?/AU
 L2 2171 SEA FILE=HCAPLUS ABB=ON PLU=ON SEKI, M?/AU
 L3 2734 SEA FILE=HCAPLUS ABB=ON PLU=ON IWASAKI, M?/AU
 L4 309 SEA FILE=HCAPLUS ABB=ON PLU=ON NUKADA, K?/AU
 L5 96 SEA FILE=HCAPLUS ABB=ON PLU=ON OKUDA, D?/AU
 L6 983 SEA FILE=HCAPLUS ABB=ON PLU=ON HIROSE, H?/AU
 L7 2296 SEA FILE=HCAPLUS ABB=ON PLU=ON OZAKI, T?/AU
 L8 1101 SEA FILE=HCAPLUS ABB=ON PLU=ON MORIYAMA, H?/AU
 L9 6529 SEA FILE=HCAPLUS ABB=ON PLU=ON ISHII, T?/AU
 L10 135 SEA FILE=HCAPLUS ABB=ON PLU=ON AGATA, T?/AU
 L11 376 SEA FILE=HCAPLUS ABB=ON PLU=ON MASHIMO, K?/AU
 L12 22369 SEA FILE=HCAPLUS ABB=ON PLU=ON SATO, K?/AU
 L13 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L1 AND L2 AND L3 AND L4
 AND L5 AND L6 AND L7 AND L8 AND L9 AND L10 AND L11 AND
 L12
 L14 75525 SEA FILE=HCAPLUS ABB=ON PLU=ON ELECTROLUMIN? OR ELS OR
 EL OR OLED#
 L15 6 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCUR
 RENT? OR PHOTO (A) CURRENT?) (2A) WAVEFORM?
 L16 12 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR
 252920-12-0/BI OR 26009-24-5/BI OR 303114-50-3/BI OR
 473799-92-7/BI OR 605664-87-7/BI OR 70351-86-9/BI OR
 714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR
 827311-07-9/BI OR 827311-09-1/BI)
 L17 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L15 AND L16
 L18 5 SEA FILE=HCAPLUS ABB=ON PLU=ON L17 NOT L13
 L19 52506 SEA FILE=HCAPLUS ABB=ON PLU=ON ELECTRON? (2A) TRANSPORT
 ?
 L20 8499 SEA FILE=HCAPLUS ABB=ON PLU=ON HOLE? (2A) TRANSPORT?
 L21 20739 SEA FILE=HCAPLUS ABB=ON PLU=ON CHARGE? (2A) TRANSPORT?
 L22 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 AND (L19 OR L20 OR
 L21)
 L23 1268 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (2A) (PHOTOCUR
 RENT? OR PHOTO (2A) CURRENT?)
 L24 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L23 AND L14
 L25 43 SEA FILE=REGISTRY ABB=ON PLU=ON (2085-33-8/BI OR
 50926-11-9/BI OR 123847-85-8/BI OR 7440-21-3/BI OR
 126213-51-2/BI OR 50851-57-5/BI OR 58328-31-7/BI OR
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 189196-94-9/BI OR 189196-95-0/BI OR 250164-11-5/BI OR
 252920-12-0/BI OR 25617-97-4/BI OR 376367-93-0/BI OR
 473799-92-7/BI OR 492436-15-4/BI OR 517-51-1/BI OR
 538366-53-9/BI OR 58473-78-2/BI OR 605664-87-7/BI OR
 677017-06-0/BI OR 714966-19-5/BI OR 7440-22-4/BI OR
 7440-52-0/BI OR 76185-65-4/BI OR 7782-49-2/BI OR
 7789-24-4/BI OR 827311-04-6/BI OR 827311-06-8/BI OR
 827311-07-9/BI OR 827311-09-1/BI OR 94928-86-6/BI)
 L26 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 AND L24
 L28 8 SEA FILE=HCAPLUS ABB=ON PLU=ON TRANSIENT (S) (PHOTOCURR
 ENT? OR PHOTO (2A) CURRENT) (S) WAVEFORM
 L29 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR L22 OR L28
 L30 13 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR
 252920-12-0/BI OR 26009-24-5/BI OR 26201-32-1/BI OR
 303114-50-3/BI OR 473799-92-7/BI OR 605664-87-7/BI OR
 70351-86-9/BI OR 714966-19-5/BI OR 827311-04-6/BI OR
 827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)
 L31 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L29 AND L30
 L32 7 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR L22 OR L31
 L33 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L32 NOT L13
 L34 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L26 NOT L33

L35 12 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 AND (L19 OR L20 OR L21)
 L36 2 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 AND (L19 OR L20 OR L21)
 L37 6 SEA FILE=HCAPLUS ABB=ON PLU=ON L33 OR L36
 L38 17 SEA FILE=HCAPLUS ABB=ON PLU=ON L34 OR L35
 L46 15 SEA FILE=HCAPLUS ABB=ON PLU=ON (PHOTOCURRENT OR PHOTO (A) CURRENT) (3A) WAVEFORM
 L47 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L46 AND (L19 OR L20 OR L21)
 L48 11 SEA FILE=REGISTRY ABB=ON PLU=ON (206868-25-9/BI OR 206868-27-1/BI OR 252920-12-0/BI OR 28883-63-8/BI OR 473799-92-7/BI OR 605664-87-7/BI OR 714966-19-5/BI OR 827311-04-6/BI OR 827311-06-8/BI OR 827311-07-9/BI OR 827311-09-1/BI)
 L49 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L48 AND L47
 L50 24 SEA FILE=HCAPLUS ABB=ON PLU=ON L37 OR L38 OR L49

=> file hcaplus

FILE 'HCAPLUS' ENTERED AT 16:56:54 ON 12 APR 2006
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L50 ANSWER 1 OF 24 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2005:985756 HCAPLUS
 DOCUMENT NUMBER: 143:430738
 TITLE: Effects of bimolecular recombination and charge-trapping on the transient photoconductivity of poly(p-phenylene vinylene)
 AUTHOR(S): Soci, C.; Moses, D.; Heeger, A. J.
 CORPORATE SOURCE: Centerfor Polymers and Organic Solids, University of California, Santa Barbara, CA, 93106-5090, USA
 SOURCE: Synthetic Metals (2005), 153(1-3), 145-148
 CODEN: SYMEDZ; ISSN: 0379-6779
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB We report on fast transient photocond. measurements on highly oriented films of poly(p-phenylene vinylene) at various excitation densities and temps. via linear (400 nm) or two-photon (800 nm) excitation. The photocurrent waveform is found to be independent of the applied elec. field (up to F .apprx. 3 + 105 V/cm) but strongly dependent on excitation d. A significant redn. of the photocurrent lifetime is obsd. at higher light intensities, clearly indicating carrier bimol. recombination. A transport mechanism mediated by traps is also evident by the long-lived (up to 1 μ s) photocurrent tail' that diminishes at low temps. We have fitted the transient photocurrent waveforms to a kinetic model from which the dynamics of carrier recombination, trapping and de-trapping were deduced.
 IT 26009-24-5, Poly(p-phenylene vinylene)
 RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process)
 (effects of bimol. recombination and charge-trapping on transient photocond. of poly(p-phenylene vinylene))
 RN 26009-24-5 HCAPLUS
 CN Poly(1,4-phenylene-1,2-ethenediyl) (9CI) (CA INDEX NAME)